



City of Austin - JOB DESCRIPTION



AWU SCADA Analyst Senior

FLSA:	Standard/Exempt	EEO Category:	(20) Professionals
Class Code:	18138	Salary Grade:	LH3
Approved:		Last Revised:	December 17, 2009

Purpose:

Under limited supervision, perform a variety of moderately complex engineering and technical tasks in support of the Austin Water Utility (AWU) Supervisory Control & Data Acquisition and/or Electronic Security Systems (SCADA/ESS) projects and assignments. Exercises judgment within defined methods, procedures, and practices.

Duties, Functions and Responsibilities:

Essential duties and functions, pursuant to the Americans with Disabilities Act, may include the following. Other related duties may be assigned.

1. Trains and leads staff that supports 24/7 real-time control systems and electronic security system integrity and ensure the highest operational reliability and system availability.
2. Leads daily evaluations and tune real-time control systems operations to accomplish the best system performance; communicate with dispatchers, engineers and field crews; perform trouble shooting, problem analysis and resolution as required.
3. Analyze the real-time control system user's request; develop and implement enhancements or modifications requested in a timely manner. Communicate activity status to customers and management.
4. Monitor compliance and evaluate policies and procedures to guide staff actions and transactions. Implement changes to improve processes/policies.
5. Provides input and assists with O&M and technical budgets associated with improvements and enhancements to the SCADA and other control systems.
6. Work with CIP project managers to ensure SCADA systems are updated and tested to support project schedule; ensure that all telemetry and controls are available and accurate.
7. Monitor the implementation of the Advanced network applications to ensure efficient and reliable remote systems administration and troubleshooting and provide for emergency backup systems and plan to exercise it on a regular basis.
9. Lead technical consultation on complex system issues; make recommendations and suggestions to management and users; interact closely with EMS vendor or third-party technology vendors in order to keep up with the changing technology environment.
10. Ensure group efforts to keep up with the latest developments in the water utility industry to meet. Environmental Protection Agency (EPA), Texas Commission on Environmental Quality (TCEQ), American Water Works Association (AWWA), Water Environment Federation (WEF) and Instrumentation Systems and Automation (ISA) standards and regulatory requirements.

Responsibilities - Supervisor and/or Leadership Exercised:

May provide leadership, work assignments, evaluation, training, and guidance to others

Knowledge, Skills, and Abilities:

Must possess required knowledge, skills, abilities and experience and be able to explain and demonstrate, with or without reasonable accommodations, that the essential functions of the job can be performed.

Ability to work with Unix

Ability to lead teams and serve as project manager.

Ability to understand database design and application development.

Ability to perform systems testing of specification requirements.

Ability to understand and use standard application development design, report and project management tools.

Ability to effectively participate in multiple projects or project capacities.

Ability to perform objective analyses and re-engineering of business processes to maximize quality service and cost-effectiveness.

Minimum Qualifications:

Bachelor's degree in Electrical Engineering, Computer Science, Information Systems, Mathematics, or related field plus four (4) years experience related to SCADA, Water or Wastewater Process Control, or Windows/Unix Administration.

Experience may substitute for education up to four (4) years.

Licenses and Certifications Required:

Valid driver's license.

This description is intended to indicate the kinds of tasks and levels of work difficulty required of the position given this title and shall not be construed as declaring what the specific duties and responsibilities of any particular position shall be. It is not intended to limit or in any way modify the right of management to assign, direct and control the work of employees under supervision. The listing of duties and responsibilities shall not be held to exclude other duties not mentioned that are of similar kind or level of difficulty.